(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 15 January 2004 (15.01.2004)

PCT

(10) International Publication Number WO 2004/006547 A1

(51) International Patent Classification⁷: 1/725

H04M 1/00,

(21) International Application Number:

PCT/DK2003/000471

(22) International Filing Date:

3 July 2003 (03.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: PA 2002 01050

4 July 2002 (04.07.2002) DK

- (71) Applicant (for all designated States except US): SENNHEISER COMMUNICATIONS A/S [DK/DK]; Langager 6, DK-2680 Solrød Strand (DK).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): GOVAERTS, Rene [NL/DK]; c/o Sennheiser Communications A/S, Langager 6, DK-2680 Solrød Strand (DK).

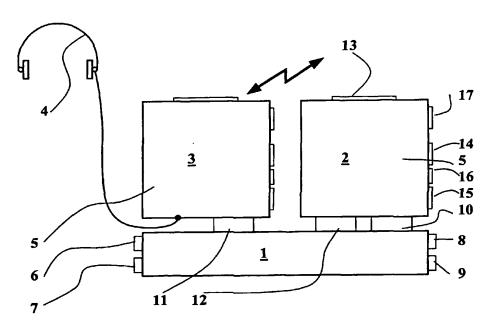
- (74) Agent: CHRISTENSEN, Mikael, T.; c/o Oticon A/S, Strandvejen 58, DK-2900 Hellerup (DK).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report

[Continued on next page]

(54) Title: WIRELESS COMMUNICATION SYSTEMS.



(57) Abstract: The invention relates to a communication system for use in connection with a stationary communication line, the communication system comprising two input/output units, each input/output unit comprising a first connector for connection of a communication line, a second connector for connection of an input/output device, a rechargeable battery and a third connector for connecting a charging voltage to the rechargeable battery, whereby the units comprise transmitters and receivers for communicating wireless a communication signal in one direction from a first input/output unit to a second input/output unit and in another direction from the second input/output unit a communication signal for input to the communication line.



 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.